

## ABSTRACT

The present invention relates to process for controlling water and electrolyte balance and acid-base equilibrium, and particularly to  
5 process for controlling water and electrolyte balance and acid-base equilibrium supervening metabolic acidosis due to burn injury, hemorrhagic shock, multiple organ failure, systemic inflammatory response syndrome (SIRS), and so on.

By administering the preparation containing sodium bicarbonate  
10 as an alkalizing agent of the present invention, the acidosis correction effect is exhibited immediately after the start of the infusion and disappeared quickly by demedication. And therefore, the preparation of the present invention can be administered safely without inducing metabolic alkalosis during infusion and alkalosis after the infusion.  
15 The preparation of the present invention also has no problem with hypernatremia. The controlling water and electrolyte balance and acid-base equilibrium, and particularly to process for controlling water and electrolyte balance can be done by administering the preparation containing bicarbonate at a rate of 2 to 60mL/kg/hour.